

Form PTO-1449  
**INFORMATION DISCLOSURE CITATION**  
 IN AN APPLICATION  
 (Use several sheets if necessary)

Docket Number (Optional)  
 CIBT-P01-570

Application Number  
 09/423,943

Applicant  
 Sampath et al.

Filing Date  
 March 8, 2000

Group Art Unit  
 1643

JUN 21 2002

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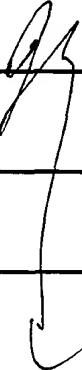
U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 6,077,823	6/20/00	Kuberasampath et al.			
	AB 6,022,853	2/8/00	Kuberasampath et al.			
	AC 5,972,884	10/26/99	Cohen et al.			
	AD 5,928,940	7/27/99	Sampath et al.			
	AE 5,849,686	12/15/98	Kuberasampath et al.			
	AF 5,656,593	8/12/97	Kuberasampath et al.			
	AG 5,652,118	7/29/97	Ozkaynak et al.			
	AH 5,585,237	12/17/96	Oppermann et al.			
	AI 5,266,683	11/30/93	Oppermann et al.			
	AJ 5,169,837	12/8/92	Lagarde et al.			
	AK 5,013,649	5/7/91	Wang et al.			
	AL 5,011,691	4/30/91	Oppermann et al.			
	AM 4,968,590	11/6/90	Kuberasampath et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	AN EP 0723031 A	7/24/96	European Patent	-	-		
	AO EP 0714665 A	6/5/96	European Patent				
	AP WO 96/40297	12/19/96	PCT				
	AQ WO 96/36710	11/21/96	PCT				
	AR WO 96/30038	10/3/96	PCT				
	AS WO 96/14335	5/17/96	PCT				
	AT WO 96/01845	1/25/96	PCT				
	AU WO 96/01316	1/18/96	PCT			Abstract	
	AV WO 95/33830	12/14/95	PCT				
	AW WO 95/14104	5/26/95	PCT				
	AX WO 95/10802	4/20/95	PCT			Abstract	
	AY WO 95/10635	4/20/95	PCT			Abstract	

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			<b>RECEIVED</b> JUN 21 2002 U.S. PATENT & TRADEMARK OFFICE TECH CENTER 1600/2900	
	AZ	WO 95/05539	4/20/95	PCT
	BA	WO 95/01801	11/19/95	PCT
	BB	WO 94/26893	11/24/94	PCT
	BC	WO 94/26892	11/24/94	PCT
	BD	WO 94/21681	9/29/94	PCT
	BE	WO 94/15966	7/21/94	PCT
	BF	WO 94/15965	7/21/94	PCT
	BG	WO 94/15949	7/21/94	PCT
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	BL	WO 94/03600	2/17/94	PCT
	BM	WO 94/03200	2/17/94	PCT
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	BP	WO 93/05172	3/18/93	PCT
	BQ	WO 93/04692	3/18/93	PCT
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	BU	WO 91/18098	11/28/91	PCT
	BV	WO 90/11366	10/4/90	PCT
	BW	WO 88/00205	1/14/88	PCT
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages Etc.)</i>				
	BX	U.S. Application No. 08/260,675		
	BY	U.S. Application No. 08/396,930		

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			Filing Date March 8, 2000	Group Art Unit 1643
	BZ	U.S. Application No. 08/402512		
	CA	U.S. Application No. 08/404,113		
	CB	U.S. Application No. 08/432,883		
	CC	U.S. Application No. 08/751,227		
	CD	Basler, K. et al. Control of Cell Pattern in the Neural Tube: Regulation of Cell Differentiation by dorsalin-1, a Novel TGF $\beta$ Family Member. <i>Cell</i> 73, 687-702 (21 May 1993).		
	CE	Bock, L. C. et al. Selection of single-stranded DNA molecules that bind and inhibit human thrombin. <i>Nature</i> 355, 564-566 (6 February 1992).		
	CF	Celeste, A. J. et al. Identification of transforming growth factor $\beta$ family members present in bone-inductive protein purified from bovine bone. <i>PNAS</i> 87, 9843-9847 (Dec. 1990).		
	CG	Famulok, M. & Szostak, J. W. In Vitro Selection of Specific Ligand-binding Nucleic Acids. <i>Angew. Chem. Int. Ed. Engl.</i> 31, 979-988 (1992).		
	CH	Hogan, B. L. M. Bone Morphogenetic proteins: multifunctional regulators of vertebrate development. <i>Genes &amp; Development</i> 10, 1580-1594 (1996).		
	CI	Jones, W. K. et al. Osteogenic Protein-1 (OP-1) Expression and Processing in Chinese Hamster Ovary Cells: Isolation of a Soluble Complex Containing the Mature and Pro-Domains of OP-1. <i>Growth Factors</i> 11, 215-225 (1994).		
	CJ	Lee, Se-Jin. Expression of growth / differentiation factor 1 in the nervous system: Conservation of a bicistronic structure. <i>PNAS</i> 88, 4250-4254 (May 1991).		
	CK	Lyons, K. et al. Vgr-1, a mammalian gene related to Xenopus Vg-1, is a member of the transforming growth factor $\beta$ gene superfamily. <i>PNAS</i> 86, 4554-4558 (June 1989).		
	CL	Massague, J. The Transforming Growth Factor- $\beta$ Family. <i>Annu. Rev. Cell Biol.</i> 6, 597-641 (1990).		
	CM	Mathiowitz, E. et al. Biologically erodable microspheres as potential oral drug delivery systems. <i>Nature</i> 386, 410-414 (27 March 1997).		
	CN	Ozkaynak, E. et al. Osteogenic Protein-2. <i>J. Biol. Chem.</i> 267, 25220-25227 (1992).		
	CO	Ozkaynak, E. et al. OP-1 cDNA encodes an osteogenic protein in the TGF- $\beta$ family. <i>EMBO J.</i> 9, 2085-2093 (1990).		
	CP	Padgett, R. W. et al. A transcript from a Drosophila pattern gene predicts a protein homologous to the transforming growth factor- $\beta$ family. <i>Nature</i> 325, 81-84 (January 1987).		

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<p><i>IP</i> <i>PATENT</i> <i>SEARCHED</i> <i>JCS</i></p> <p>Sampath, T. K. &amp; Reddi, H. Homology of bone-inductive proteins from human, monkey, bovine, and rat extracellular matrix. <i>PNAS</i> 80, 6591-6595 (November 1983).</p>				
<p><i>AM</i></p> <p>CR Sampath, T. K. et al. Bovine Osteogenic Protein is Composed of Dimers of OP-1 and BMP-2A, Two Members of the Transforming Growth Factor-<math>\beta</math> Superfamily. <i>J. Biol. Chem.</i> 265, 13198-13205 (5 August 1990).</p>				
<p>CS Storm, E. E. et al. Limb alterations in brachypodism mice due to mutations in a new member of the TGF<math>\beta</math>-superfamily. <i>Nature</i> 368, 639-643 (14 April 1994).</p>				
<p>CT Takao, M. et al. Identification of Rat Bone Morphogenetic Protein-3b (BMP-3b), a New Member of BMP-3. <i>Biochem. Biophys. Res. Comm.</i> 219, 656-662 (1996).</p>				
<p>CU Tuerk, C. &amp; Gold, L. Systematic Evolution of Ligands by Exponential Enrichment: RNA Ligands to Bacteriophage T4 DNA Polymerase. <i>Science</i> 249, 505-510 (3 August 1990).</p>				
<p>CV Vukicevic, S. et al. Localization of Osteogenic Protein-1 (Bone Morphogenetic Protein-7) During Human Embryonic Development: High Affinity Binding to Basement Membranes. <i>Biochem. Biophys. Res. Comm.</i> 198, 693-700 (28 January 1994).</p>				
<p>CW Weeks, D. L. &amp; Melton, D. A. A Maternal mRNA Localized to the Vegetal Hemisphere in Xenopus Eggs Codes for a Growth Factor Related to TGF-<math>\beta</math>. <i>Cell</i> 51, 861-867 (4 December 1987).</p>				
<p>CX Wharton, K. A. et al. Drosophila 60A gene, another transforming growth factor <math>\beta</math> family member, is closely related to human bone morphogenetic proteins. <i>PNAS</i> 88, 9214-9218 (October 1991).</p>				
<p>CY Wozney, J. M. et al. Novel Regulators of Bone Formation: Molecular Clones and Activities. <i>Science</i> 242, 1528-1534 (16 December 1988).</p>				
EXAMINER <i>John Doe</i>			DATE CONSIDERED <i>09/09/03</i>	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.				